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ABSTRACT

This annotated bibliography lists 203 special features or special issues of science and technology periodicals with emphasis on compilations of information that appear in periodicals on a regular basis. Subjects covered in the guide include aeronautics, air-conditioning and refrigeration engineering, astronomy, automobiles, biology, botany, building and construction, chemical technology, chemistry, cinematography, communications, computers, conservation, dentistry, electrical engineering, electronics, energy, engineering, environmental studies, food and food industries, forests and forestry, geology, hydraulic engineering, instruments, machinery, medicine, metallurgy, microbiology, military science, mining engineering, nursing, nutrition, paper and pulp industry, pharmacology, photography, physics, precious stones, printing, public health, safety engineering, sound recording and reproduction, disorders of speech, technology and technical education, textiles, transportation, water supply engineering, and zoology. Each entry includes periodical title and issue, the call number of the periodical at San Diego State University, the actual or supplied title of the special issue or special feature, and a brief annotation. A subject index to the guide is also provided. (ESR)

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Guide to Special Information in Scientific and Engineering Journals

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1983

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Introduction

There is a large quantity of useful material to be found in science periodicals as special features, or special issues, which is not easily accessible. It is important to make people aware of these annual or occasional and unique compilations of information. This listing of special features is meant as a framework from which to start. It is not complete by any means, but it is hoped that it can be revised and updated on an ongoing basis. The usefulness of this publication lies primarily in indexing features that appear in periodicals on a regular basis, although some features coming out occasionally or on a one-time basis are included because of their importance.

Uniformity was attempted in all the entries, but due to the eccentricities of periodicals, there is variance. The titles used for the special issues were obtained from the cover, spine, or table of contents. If there was no title, a title was supplied and bracketed. References to the issues were given by month wherever possible; in some cases, however, numbers or "seasons" were used. When the month is preceded by "a" or "an" it indicates that this is a weekly and the issue date varies from year to year. A complete date including year indicates this is an irregular, or one time, feature. The call number designations are all locations in the Science Department of the University Library. In most cases the issues will be found shelved with the current periodicals; if bound, the periodical will be intershelved by call number with the books. The call numbers having "Ref" at the end will be found in the Reference Area of the Science Department.

Most of the issues checked were for the year 1981. On rechecking some issues in1982, it was found that the issue had changed; therefore, there wll be inconsistencies in some references. For this reason revision of this listing of special features will be ongoing.

AERONAUTICS

1. Aerospace (TL 501 A873A19)

Aerospace Review and Forecast (Winter issue)

Gives highlights of the previous year and review and forecast for the upcoming year. Has graphs showing sales; export, import and trade balance; employment, civil aircraft shipments, etc.

2. Aviation Week and Space Technology (TL 501 A8)

Aerospace Forecast and Inventory (a March issue)

Gives comprehensive coverage for status of programs in military, space technology, air transport, and avionics. Also gives growth trends with charts, and specifications of all types of aircraft, spacecraft, rockets and missiles, including Soviet aircraft and Soviet missiles.

3. Aviation Week and Space Technology (TL 501 A8)

Marketing Directory Issue (a December issue)

Gives a comprehensive products/services section, listing among other things airport designers/ consultants, aviation consultants. Also has a corporate index of aerospace industry manufacturers and service organizations worldwide.

4. Aviation Week and Space Technology (TL 501 A8)

Paris Air Show (a June issue)

Complete issue on the Paris Air Show giving special reports from all the various countries participating, and their aircraft.

5. Flight International (TL 501 F6)

Agricultural Aircraft Guide (August 22, 1981 issue)

Discusses agricultural aircraft in operation, has illustrations. Gives listing by type with manufacturer, specifications, and prices; includes some turboprop agricultural aircraft.

6. Flight International (TL 501 F6)

Business Helicoptor Directory (July 11, 1981 issue)

Discusses the business aviation industry, then charts the various types of civil helicopters, giving specifications and prices.

7. Flight International (TL 501 F6)

Business Jet and Turboprop Directory (a November issue)

Gives company guide with address, telephone number and a brief description of the company. Followed by profiles of aircraft with specifications, also prices.

8. Flight International (TL 501 F6)

Commercial Aircraft of the World (an October issue)

Gives extensive survey of the world's commercial aircraft giving full technical and performance data, powerplant, undercarriage, accommodation, weight, speeds, cruise performance and payload range.

9. Flight International (TL 501 F6)

Commuter Airline Guide and Directory (Part 1 – a March issue; Part 2 – a November issue)

Part 1 – Gives details of all aircraft up to 100 seats, including rotary-wing commercial aircraft. Alphabetical by name of company, with address and telephone number, followed by name of aircraft with description. Also gives cabin-layout drawings and specifications. Part 2 – Lists in alphabetical order details of more than 500 scheduled passenger and cargo commuter airlines, operating throughout the world. Gives short description of company, with address, and fleet information.

10. Flight International (TL 501 F6)

International Private Aircraft Directory (a March issue)

Lists various types of aeroplanes, sailplanes, motorgliders, light helicopters, and hot-air balloons, giving specifications and prices.

11. Flight International (TL 501 F6)

Military Aircraft of the World (March 7, 1981 issue)

Lists aircraft under country, giving a description and customers, indicating country and number of planes. Also has charts giving specifications and remarks on each plane.

12. Flight International (TL 501 F6)

Paris Air Show (several June issues)

First issue has a Guide to the Show, giving exhibitors and events; also has articles on some of the planes. Next issue called Paris Show Report reports on the events of the week and gives an account of all that is new in international aerospace. Following issue reviews the trends, developments, and issues.

13. Flight International (TL 501 F6)

World Airliner Census (a December issue)

Lists in alphabetical order original manufacturer or group responsible for product support, the commercial aircraft in service with, or ordered by, the world's scheduled or charter passenger and cargo carriers.

14. Flight International (TL 501 F6)

World Missile Directory (May 30, 1981 issue)

Lists missiles broken down by type, e.g., Strategic, Ballistic; Tactical, Ballistic; Air-to-ground, etc., then alphabetically by country and by name of missile. Also gives specifications for each category.

15. Flight International (TL 501 F6)

World's Air Forces (August 1, 1981 issue)

Lists each country in alphabetical order; tables are included for rapid reference, and latest trends and acquisitions are highlighted in the text.

16. Interavia (TL 512 I55 Ref)

World Directory of Aviation and Aeronautics (Special annual issue)

Comprehensive listing by country including organizations, operations, parent and financial organizations; aircraft and power plant manufacturers, equipment and materials manufacturers, airport ground services and equipment, aviation services. Has an index by organization or company name, and one by personal name.

AIR-CONDITIONING AND REFRIGERATION ENGINEERING

17. ASHRAE Journal (TH 7201 A8)

ASHRAE Directory (January issue)

Directory of headquarters staff; list of ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) officers, directors, committeemen, staff; subject index to technical sessions, seminars, forums, etc. at semiannual meeting.

18. ASHRAE Journal (TH 7201 A8)

ASHRAE Research (October issue)

Reviews the research projects that are in progress and lists the projects that will be active during the current year, giving the title, expected duration, agency conducting the research, and the sponsors of the research.

19. Refrigeration and Air Conditioning (TP 490.5 R327 Ref)

Yearbook (Special annual issue)

Gives company addresses, professional and technical organizations, manufacturers guide, trade names, foreign brand names, etc.

ASTRONOMY

20. Mercury (QB 1 M4)

[Astronomical Book Trek] (September/October 1981 issue)

A brief subject index for NASA's special publications relating to astronomy, by Andrew Fraknoi.

21. Mercury (QB 1 M4)

[Index to Astronomy Articles] (March/April 1981 issue)

An index to astronomy articles in *Scientific American* (1960-1981) by Michael Zeilik.

AUTOMOBILES

22. Automotive Industries (TL 1 A6)

Specification and Statistics Issue (April issue)

Gives information on U.S. car engines, imported cars, U.S. car transmissions, on-highway trucks, gasoline engines and diesel engines.

23. Automotive Industries (TL 1 A6)

Suppliers Issue (June issue)

Gives financial analysis by company giving net sales, earnings, return on sales, return on equity, etc.

24. Automotive News (TL 1 A865)

Market Data Book Issue (an April issue)

Gives top 50 auto makers, sales and registration statistics and records, car production, truck registration, import sales – specifications and prices, dealers, prices of U.S. models, product information, including EPA mileage ratings, used car sales, directories – top executives, who's who in the industry, roster of automotive companies, associations, etc.

25. Car and Driver (TL 1 C2)

New Car Issue (October issue)

Gives overall report on new cars, lists cars by makes, giving any changes, technical highlights, and impressions.

26. Consumer Reports (TX 335 A1C6)

Annual Auto Issue (April issue)

Summary judgments of the new cars, listed by small, medium, and large cars; also charts list prices vs. dealer cost. Section on frequency-of-repair records (5 year period) for approximately 100 models, and a section on recommended used cars by price and some used car models to avoid.

27. Motor Trend (TL 1 G9447)

New Cars (October issue)

Gives a rundown with many pictures of the new cars for the coming year.

BIOLOGY

28. American Microscopical Society. Transactions (QH 201 A3)

Abstracts of Papers (January issue)

Titles and abstracts of papers presented at the annual meeting of the American Microscopical Society.

29. Nature (RM 270 D5 Ref)

Directory of Biologicals (Special annual issue)

Lists companies – worldwide directory of manufacturers and suppliers; products – biological materials available on the market; trade names – includes registered trademarks, etc.

BOTANY

30. Desert Plants (QK 938 D4D45)

[Ethnobotany of the Saguaro Cactus] (Spring 1980)

The annual saguaro harvest and crop cycle of the Papago, with reference to ecology and symbolism; ethnobotany of the Saguaro; and annotated bibliography.

31. Plant Physiology (QK 1 P68)

Program and Abstracts of Papers (Supplement to April issue)

Gives abstracts of papers, along with the program, from the annual meeting of the American Society of Plant Physiologists.

BUILDING AND CONSTRUCTION

32. Construction Contracting (TA 715 C62)

Equipment Specs (January issue)

Gives specifications on all types of construction equipment – earth moving, excavation, hauling, finishing, drills and compressors, lifting, materials handling and paving.

33. Hardware Age (TS 200 H83 Ref)

Buyer's Guide Issue (December issue)

Lists products alphabetically, another product listing by twelve major departments; manufacturers brand names, alphabetical manufacturers index (address and phone number), manufacturers name changes, wholesale private brands, wholesalers merchandising groups (address and phone number) and manufacturers catalog section.

34. Hardware Age (TS 200 H82)

Hardware Industry Week (August issue)

Gives highlights of the National Hardware Show, maps showing booth locations, list of exhibitors and a product panorama showing some of the products featured.

CHEMICAL TECHNOLOGY

35. American Ceramic Society. Bulletin (TP 785 A63)

Company Directory (January issue)

Lists ceramic companies and labs, comprehensive listing giving usual information along with description of company, name and title of officials, and number of employees. Also has a product guide, and National Institute of Ceramic Engineers roster.

36. American Ceramic Society. Bulletin (TP 785 A63)

Official Program (March issue)

Issue devoted to meeting arrangements of the American Ceramic Society along with the Technical Sessions. Includes author index to Technical Sessions.

37. American Ceramic Society. Bulletin (TP 785 A63)

Roster (October issue)

Gives membership listings in alphabetical order for the American Ceramic Society, ACS Fellow members, Ceramic Educational Council, National Institute of Ceramic Engineers, Committees and ACS Corporation members.

38. American Dyestuff Reporter (TP 890 A6)

Flame Retardents Buyers' Guide (In January 1981 issue)

Lists company, active chemical or chemical nature, form fibers treatable, add-on, designed to meet the [following] standards and costs.

39. Analytical Chemistry (TP 1 I615)

Fundamental Reviews (April issue)

A collection of reviews on numerous subjects, e.g., different phases of chemical microscopy, chromatography, spectometry, with extensive literature citations.

40. Analytical Chemistry (TP 1 I615)

Laboratory Guide to Instruments, Equipment and Chemicals (#10 issue)

Gives alphabetical listing of products found in guide; geographically arranged listing of laboratory supply houses; alphabetical listing of instruments, equipment and supplies and list of manufacturers; laboratory chemicals and manufacturers; research and analytical services and providers; trade names and associated companies; company directory. Also lists meetings and seminars for the upcoming six month period; new books for the previous year that have been critically reviewed in American Chemical Society publications.

41. Chemical and Engineering News (TP 1 C35)

Top 50 Chemical Products and Producers (In a May issue)

Lists top 50 inorganic chemicals with production figures for the past two years, also indicates growth rate for the past year, the previous year, the past five and the past ten, giving a historical perspective on growth. Lists top 50 chemical companies identifying profits and assets plus rates of chemical return.

42. Chemical Engineering (TP 158 C47 Ref)

Equipment Buyers' Guide (Special annual issue)

Lists index to products and services; company directory; products and services directory broken down into 7 subject areas; and a trade name directory.

43. Chemical Week (TH 12 D5 Ref)

Directory of Worldwide Engineering and Construction Firms (Special annual issue)

Gives headquarters address, brief description of company, officers (in some cases), clientele, recent projects, capabilities, etc.

44. Chemical Week (TP 1 C37)

Chemical Week 300 (In a May issue)

Summary of the year's financial results including several charts and graphs. Also lists the 300 companies broken down by types of companies and then by sales, profit and profit ratios, per share data for (19- -). Has another list for company divisions by sales and earnings.

45. Chemical Week (TP 1 C37)

Executive Pay (Annual Compensation Survey) (In a May issue)

Gives summary of salary status for the year. Surveys findings of different companies. Lists top executives and their salaries from companies whose sales were more than $1 billion and those whose sales were less than $1 billion. Also lists diversified companies with chemical operations.

46. Glass Industry (TP 845 G6)

Directory (#10 issue)

Gives manufacturers, suppliers, glass associations and unions, research-independent laboratories, and glass educational institutions.

47. Hydrocarbon Processing (TP 680 A1H8)

HPI Construction Boxscore (separate section of February & October issues)

Arranged geographically, giving name of company, plant site, project, capacity, estimated cost, state licensor, engineering and contractor.

48. Hydrocarbon Processing (TP 680 A1H8)

Petrochemical Handbook Issue (November issue)

Lists petrochemical processes giving such information as application, description, references, commercial, utilities, etc.; contributor's index and index of contributions not included.

49. Hydrocarbon Processing (TP 680 A1H8)

World-Wide HPI Construction Boxscore (Section 2 of March & October issues)

Lists plants under construction, giving company name, plant site, project, capacity, estimated cost, state licensor, engineering and contractor. Arranged geographically.

50. Plastics Technology (TP 986 A1P529)

Plastics Manufacturing Handbook and Buyer's Guide (Mid-June issue)

Lists machinery and materials systems, trade name directory, chemicals and additives, materials buyers' guide, and classified directory of suppliers.

51. Plastics World (TP 1112 P55 Ref)

Plastics Directory (Special annual issue)

Gives a materials directory listing suppliers; machinery directory listing equipment; custom processors directory; trade name section; literature section; and an address/telephone section.

CHEMISTRY

52. FEBS Letters (QP 501 F43)

Index of Biochemical Reviews (a Supplement issue)

Includes reviews and lectures on biochemical and related topics published in periodicals and serials.

53. Journal of Photochemistry (QD 715 D5 1981 Ref)

Directory of Photochemical Laboratories in Europe (1981 ed.) (Supplement #2)

Lists laboratories giving research interests, research team heads, staff members, special photochemical techniques, research topics, etc. Has three indexes – names; general areas of photochemistry; and special photochemistry.

54. Pure and Applied Chemistry (QD 1 I88152)

Glossary (August 1979 issue)

Glossary of terms used in physical organic chemistry; compiled and edited by Victor Gold.

CINEMATOGRAPHY

55. Millimeter (TR 897.5 M55)

California (In August 1980 issue)

Special articles on California and the motion picture and TV industry – discusses locations, state of production, state of preproduction, and state of postproduction. Also has an article on production in San Diego and San Francisco.

56. Millimeter (TR 897.5 M55)

CLIO Awards (In August issue)

Gives CLIO Awards in eight crafts categories with shooting style of these outstanding commercials.

57. Millimeter (TR 897.5 M55)

Equipment Rental House Survey (December issue)

Gives an alphabetical listing of rental houses that supply both production and postproduction equipment for all production needs (film or tape, feature films, TV programs or commercials). It lists companies which rent equipment-to-go for direct use by a client and does not include mobile production vehicles.

58. Millimeter (TR 897.5 M55)

Film Laboratory Survey (April issue)

Gives regional index of companies, with symbols to indicate the range of services offered by each lab.

59. Millimeter (TR 897.5 M55)

Iris Awards (May Issue)

Gives the awards for local television programs conferred upon TV station programmers at the annual conference of the National Association of Television Program Executives.

60. Millimeter (TR 897.5 M55)

SMPTE Conference Report (In January issue)

Gives the report of the technical sessions of the Society of Motion Picture and Television Engineers, with a thorough category-by-category review of new and featured products displayed on the exhibit floor.

61. Millimeter (TR 897.5 M55)

Introduction Facility Survey (In April issue)

Lists facilities in alphabetical order giving exactly what equipment is available both production and postproduction, studio and mobile, at each facility.

COMMUNICATIONS

62. Communications (TK 5101 A1C629)

Business Radio Buyer's Guide (#13 issue)

Gives manufacturers and distributors for the land mobile radio industry and radio communications; product source directory for two-way land mobile products; association directory, etc.

63. Communications News (TK 5105 C657)

Two-Way Radio Issue (August issue)

Includes checklist and buyer's guide giving services covered and products offered; manufacturers listing with pictures of products; and a two-way radio equipment and accessories supplier directory.

64. Satellite Communications (TK 5104 S3636)

Directory Issue (September issue)

Gives listings of regulatory agencies, satellite carriers, satellite services and hardware and component suppliers.

COMPUTERS

65. Creative Computing (QA 76 C68)

Buyer's Guide (September issue)

Guide to personal computers, video and electronic games, and consumer electronics.

66. Datamation (T 175 M26)

Datamation Top 100 (June 1982 issue)

Discusses revenues and gives an analysis of the results of a 1981 survey. Also details how the top 10 companies fared with investors. Gives a tabular listing of the 100 foremost U.S. companies, followed by individual company write-ups.

67. Datamation (T 175 M26)

Systems Software Survey (December 1981 issue)

Results of a survey conducted. The statistical sampling comprises over 7,000 known users of 107 different systems software packages installed at 5,936 sites. Items rated are: overall satisfaction, installation/initial use; service; and operations.

68. Digital Design (TK 7885 A1D5)

COMPAT '81 (August 1981 issue)

Gives a preview for the First Compatible Computer Products Exposition listing exhibitors; technical seminar chairmen and topics.

69. Digital Design (TK 7885 A1D5)

Computer Compatible Directory (Pt. 1– August 1981 issue; Pt. 2 – September 1981 issue)

Locates compatible memory and peripherals for DEC, DG, P-E, HP and other computers for integration into systems for use in the scientific, engineering, and industrial fields. Broken down by product categories, includes a complete manufacturer's listing from all categories.

70. Digital Design (TK 7885 A1D5)

DEC Directory (July issue)

Digital Equipment Corporation product directory listing microcomputers, minicomputers, super minicomputers, mainframes and peripherals. Gives model, specifications, and price.

71. Digital Design (TK 7885 A1D5)

Printer Showcase (Pt. 1 – March 1981; Pt. 2 – June 1981 issue)

Examines current printer technology and lists several printers of interest to system designers and OEM integrators and builders.

72. EDN (TK 1 E266)

Microprocessor/Minicomputer Chip Directory (a November issue)

Gives names of devices, manufacturer, characteristics, and support giving hardware and software.

73. EDN (TK 1 E266)

Product Showcase (a July and December issue)

Reviews products in six key areas: components, computers and peripherals, hardware and interconnect devices, IC's and semiconductors, instruments, and power sources.

74. EDN (TK 1 E266)

Programmable-Memory Directory (In a January issue)

Gives review, list of manufacturers of programmable read-only memories, in chart form gives breakdown by type of memory with manufacturer, density, organization, power dissipation, etc.

75. Mini Micro Systems (TK 7885 A1M63)

Microcomputer Operating Systems: A Directory (October issue)

Lists microcomputer operating system suppliers giving type, hardware, features, price; also general articles on selection.

76. Mini Micro Systems (TK 7885 A1M63)

Printers (January issue)

Survey – question and answer guide to choosing a printer, surveying printers, line printers, tele-printers, etc.

CONSERVATION

77. National Parks (SB 482 A4662)

NCPA Annual Report (April or May/June issue)

Annual report of the National Parks and Conservation Association giving financial statements, etc.

DENTISTRY

78. American Dental Association. Journal (RK 1 A53)

Annual Meeting (August and December issues)

Preliminary program with extensive coverage in the August issue. December issue carries an overview of scientific presentations featured at annual sessions; summary of major actions taken.

79. American Dental Association. Journal (RK 1 A53)

Consumer's Guide to Dental Health (Special issue, 1982)

Gives basic and informative facts on oral health concerns, such as fluoridation, smoking and oral cancer, family dental health facts; dental health consumerism; dental care delivery; dental research advances.

80. American Dental Association. Journal (RK 1 A53)

Continuing Education Course Listing (December issue)

Lists courses for January through June of the following year, giving full information; arranged by specialty, subdivided geographically.

ELECTRIC ENGINEERING

81. Electrical World (TK 1 A3E45)

Annual Technical Reference (June issue)

Lists papers dealing with a specific problem or situation in the electric utility industry. Each listing gives ordering information and the price, if available.

ELECTRONICS

82. Audio (TK 6540 A912)

Annual Equipment Directory (October issue)

Gives directory of manufacturers, detailed tables for individual equipment, such as amplifiers, twin tables, cassette decks, loudspeakers, headphones, receivers, etc.

83. Billboard (TK 7881.4 B54 Ref)

International Recording Equipment and Studio Directory (Special annual issue)

Gives a brand usage survey, recording studio equipment manufacturers and importers, recording studio equipment by category, U.S. recording studios, tape manufacturers, independent record producers, studios/schools offering recording courses, international listing.

84. Billboard (TK 7881.6 B58 Ref)

Tape, Audio, Video Market Sourcebook (April issue)

Lists manufacturers, importers and suppliers for tape/audio/video equipment; accessories, store fixtures, and tape services.

85. Electronic Design (TK 7800 E437)

WESCON (September issue)

Gives some technical highlights of the meeting and shows some of the new products.

86. Electronic Design (TK 7800 E437)

Microprocessor Data Manual (a November issue)

Gives key features, tables, data pages on both 8- and 16-bit circuits and support chips.

87. Electronics (TK 7800 E439)

WESCON (an August issue)

Gives new products introduced that exhibit maturing microprocessor-based design.

88. Solid State Technology (TK 7872 S4S44)

SEMICON/East Show Issue (August issue)

Gives technical program, exhibitors and product showcase.

89. Solid State Technology (TK 7872 S4S44)

SEMICON/West Show Issue (April issue)

Gives technical program, exhibitors and booths, and product showcase.

90. Stereo (TK 7881.8 S738 Ref)

Buying Guide (Special annual issue)

Test reports for amplifiers and preamplifiers; tuners and receivers; turntables and tone arms; phono cartridges; speaker systems; tape equipment; cassette tapes, audiophile discs; signal processors and equalizers; car stereo components; and system accessories.

91. Videodisc/Videotex (TK 5105 V52)

Videodisc Catalog (Spring issue)

Lists new commercial releases of videodiscs. Listings are alphabetically cross-referenced. Gives distributor and catalog number, current list price, and disc format.

92. Videodisc/Videotex (TK 5105 V52)

Videodisc Projects Directory (starting with vol. 2, listings added as available – regular feature)

Lists all completed videodisc projects in the public and private sectors. Contains the title, sponsor, producer, with full address and telephone number, and brief abstract of the project. Also gives objectives of project, any special features, and the intended use, disc availability, etc.

ENERGY

93. Energy Engineering (TH 7201 A42)

AEE Organization Directory (#3 issue)

Lists Board of Directors, executive committee, chapter presidents, certification board, nominations and elections committee, chairmen; constitution and bylaws, code of ethics for the Association of Energy Engineers.

94. Energy Engineering (TH 7201 A42)

AEE's Salary Survey (#5, 1981 issue)

Results of a survey conducted by the Association of Energy Engineers, giving profile of survey respondents, professional advancement, and salary distribution based on primary area of employment.

95. Geothermal Energy (TJ 280.7 G44)

Geothermal Consultants Survey (October 1981 issue)

Gives copy of survey form used and a mini-directory of geothermal consultants. Information received too late is included in the annual *Geothermal World Directory*, 1981/82 edition (TK 1041 G45 Ref).

96. Geothermal Energy (TJ 280.7 G44)

Geothermal Drilling – Western U.S. (August issue)

Gives a summary of drilling with tables including area, operator, wells, footage, etc. Maps showing location of wells in the Western United States are included.

ENGINEERING

97. Engineering Education (T 61 S632)

Engineering College Research and Graduate Study (March issue)

Gives a statistical update; questionnaire and summary of data; list of universities having research and graduate study, giving information on faculty, admission requirements, research areas, appointments available, etc.; index by fields of graduate study and areas of research.

98. Materials Engineering (TN 1 M34)

Materials Selector (December issue)

Lists directory of products by type of material, also finishes and coatings, joining and fastening, testing and evaluation; directory of manufacturers; Guide to local sources; Comparison of materials (e.g., density, hardness, strength, elasticity, etc.), materials selection charts giving composition, physical properties, mechanical properties, corrosion resistance, uses, etc.

99. Military Engineer (UG 1 M5)

Directory Issue (January/February issue)

Lists directory for the Society of American Military Engineers, giving officers, local posts and student posts, and general membership.

100. Production Engineering (TJ 212 A812)

Productivity Reference Issue and Buyer's Guide (January issue)

Gives review articles and buyer's guide for machining equipment; non-machining production equipment; assembly equipment; test and inspection; material handling equipment; parts handling equipment; input/output controls; control systems; drives and drive controls; materials and contract parts; tools and fluids.

101. Specifying Engineer (TA 1 A32)

Annual Mechanical Systems Design Issue (March issue)

Features discussing systems to achieve energy savings and to maximize energy use efficiency.

102. Specifying Engineer (TA 1 A32)

Specifier's Guide (a September issue)

Guide to mechanical and electrical products offered for application in commercial/industrial/institutional facilities. Each product is preceded by an applied technology review which discusses the state-of-the-art. Categories include: HVAC, energy management systems, environmental management systems; environmental management, plumbing; liquid/gas/air handling systems; fire protection, electrical motors, power generation, lighting, security, specialized products; manufacturers index.

ENVIRONMENTAL STUDIES

103. Air Pollution Control Association. Journal (TD 883 A26)

APCA Government Affairs Seminar (June 1981 issue)

Report of the seminar giving condensed versions of the remarks of the participants.

104. Air Pollution Control Association. Journal (TD 883 A26)

Consultant Guide (In December issue)

Lists areas of competence as categories within five geographical regions; lists individuals of firms in alphabetical order with any certification.

105. Air Pollution Control Association. Journal (TD 883 A26)

Guide to Annual Meeting (May issue)

Gives general information, program, exhibitors, special programs, Critical Review series, etc.

106. Air Pollution Control Association. Journal (TD 883 A26)

Product Guide (March issue)

Gives listing by subject under Emission control equipment, and Air pollution instrumentation, followed by alphabetical listing of all manufacturers.

107. Journal of Environmental Health (RA 421 J6)

Conference Report (September/October issue)

Gives annual conference report, awards given, exhibitors, book exhibit participants, and annual report for the National Environmental Health Association.

108. Water Pollution Control Federation. Journal (TD 511 S4)

Literature Review Issue (June issue)

Comprehensive compilation of references to and bibliographic citations of the major technical literature relevant to water pollution control published throughout the world in the previous year. Categories include administration, chemical species, wastewater treatment, industrial wastes, and water pollution.

109. Water Pollution Control Federation. Journal (TD 511 S4)

Yearbook (March issue, part 2)

Lists the WPCF organization, including officers, staff, constitution and bylaws, statement of policy, etc.; committee directory, honors and awards; publications (WPCF); water pollution control agencies; WPCF conferences; author's guide, including list of journal abbreviations; and membership – member association and affiliates, associate consultant – both alphabetical and geographical, and contractor.

FOOD AND FOOD INDUSTRIES

110. Cereal Foods World (TS 220 A33252)

Annual Meeting (September or October issue)

Gives lists of displays, program, and abstracts of papers for the meeting of the American Association of Cereal Chemists.

111. Food Engineering (TX 341 F87)

Salary Survey (December issue)

Gives average (median) salary for all types of managers in the food and beverage manufacturing industry, along with principal products, region, employment size, and education.

112. Food Engineering (TX 341 F87)

Who's Building What (in September issue)

Lists new food plants under construction, as well as ongoing plants for the year. Gives location, primary product, square footage, estimated cost, number of employees, architects/engineers, scheduled on-stream.

113. Quick Frozen Foods (TP 493.5 A1 D5 Ref)

Directory of Frozen Food Processors (Special annual issue)

Section 1 – Alphabetical list of frozen food processors giving address, phone number, officers and products. Section 2 – Subject list of frozen food products. Section 3 – Geographical listing of frozen food processors. Section 4 – Alphabetical listing of brand names. Section 5 – Broker locator. Section 6 – Food processing machinery, equipment and supplies, freezing equipment. Section 7 – Packaging equipment and supplies, materials handling. Section 8 – Refrigerated transportation (trucklines and railroads). Section 9 – Refrigerated warehouses.

114. Restaurants & Institutions (TX 820 I56226)

Annual Report Issue (a March issue)

Gives report of the foodservice industry broken down by various areas: colleges/universities, hotels/motels, military, health care, etc. Contains statistics and graphs.

115. Restaurants & Institutions (TX 820 I56226)

Buyer's Guide (a February issue)

Gives manufacturer's index; product classification in four categories: Food products, Equipment including an index of equipment brand names, Tabletop and uniforms; and Maintenance and Sanitation. Also includes Buyer's Mart with latest products; a list of full-line distributors with controlled labels; and a list of industry associations.

116. Restaurants & Institutions (TX 820 I56226)

Frozen Food Cookbook (November 1 issue)

Gives general articles on frozen foods and recipes. Has a frozen food product file and recipe index, along with recipes.

117. Restaurants & Institutions (TX 820 I56226)

IVY Awards (a May issue)

Awards to foodservice operations and operators – restaurants, schools, hospitals, hotels – for standards of excellence. Descriptions of winning places and recipes.

118. Restaurants & Institutions (TX 820 I56228)

Show Issue (a September issue)

Gives highlights of NAFEM show (National Association of Foodservice Equipment Manufacturers) and also the NAFEM product roundup.

FORESTS AND FORESTRY

119. Forest Products Journal (TS 800 F58)

Yearbook Issue (October issue)

Gives highlights and news of the Forest Products Research Society annual meeting.

GEOLOGY

120. California. Division of Mines and Geology. California Geology (TN 1 C32)

Index to Graduate Theses and Dissertations on California Geology (Issues vary)

Supplements to the original publications (TN 24 C2A33 v.74, v.115 Ref) appear in occasional issues, Supplement 1, February 1978; Supplement 2, April 1978; Supplement 3, July 1980. Broken down by Regional Studies and Topical Studies, lists the graduate theses and dissertations having to do with the geology of California.

121. EOS; Transactions, American Geophysical Union (QE 500 A615)

Abstracts of Fall Meeting (late October or early November issue)

Gives Fall meeting program, Fall meeting abstracts, author index, etc. prior to the meeting.

122. EOS; Transactions, American Geophysical Union (QE 500 A615)

Abstracts of Spring Meeting (late April or early May issue)

Gives Spring meeting program, Spring meeting abstracts, author index, etc. prior to the meeting.

123. Geophysics (QE 500 G4)

Geophysical Activity Report (September issue)

Lists the geophysical activity for the year, giving reviews with many tables and charts.

124. Geophysics (QE 500 G4)

Annual Meeting Abstracts (April issue)

Gives abstracts of papers from annual meeting of the Society of Exploration Geophysicists. Also constitution, bylaws, sections, and membership of SEG.

125. Geophysics (QE 500 G4)

Annual Report (December issue)

Gives annual report of the Society of Exploration Geophysicists.

HYDRAULIC ENGINEERING

126. Hydraulics & Pneumatics (TC 1 A5)

Designers Guide to Fluid Power Products (January issue)

Gives charts giving specification data and other information for various categories of fluid power products and services. Also, includes alphabetical index of manufacturers.

INSTRUMENTS

127. Instruments & Control Systems (TA 165 A2)

Control Valve Update (January issue)

Review of control valve hardware, update on new developments in this area, and new products developed during the previous year.

MACHINERY

128. American Machinist (TJ 1 A5)

Tool Show Issue (Septemt/er issue)

Gives pictures and brief descriptions of new products exhibited at the International Machine Tool Show.

129. Modern Materials Handling (TS 149 M6)

Casebook/Directory (a June issue)

Casebook has a selection of case histories showing increased productivity and cost-effectiveness through application of equipment. Directory has directories for articles, catalog, equipment, hotline trade name tracing service, and manufacturers directory. Manufacturers literature in back.

130. Modern Materials Handling (TS 149 M6)

Show Issue (a March issue)

Guide to the National Material Handling Show, giving program and exhibits.

131. Machine Design (TJ 1 M15)

Electrical and Electronics Reference Issue (a May issue)

Comprehensive coverage including many diagrams broken down into sections – Motors; Motor controls and protectors; Machine and process control systems; Switches and relays; Solid-state switching devices; Transducers; Indicators and displays; Power supplies; Interconnections.

132. Machine Design (TJ 1 M15)

Fastening and Joining Reference Issue (a November issue)

Comprehensive coverage including many diagrams broken down into sections – Threaded fasteners; Design and assembly; Non-threaded fasteners; Special purpose fasteners; Joining techniques.

133. Machine Design (TJ 1 M15)

Fluid Power Reference Issue (a September issue)

Comprehensive coverage including many diagrams broken down into sections – Power input and storage devices; Power modulation and control devices; Fluids, conductors and conditioners; Power actuators and shock absorbers; Fluid seals and packings; Fluid handling components; Fluid logic and controls.

134. Machine Design (TJ 1 M15)

Materials Reference Issue (a March or April issue)

Comprehensive coverage including many diagrams broken down into sections – Ferrous metals; Nonferrous metals; Plastics; Elastomers, rubbers; Other engineering materials.

135. Machine Design (TJ 1 M15)

Mechanial Drives Reference Issue (a June issue)

Comprehensive coverage including many diagrams broken down into sections – Driveline components; Bearings; Seals.

136. National Engineer (TJ 1 N2)

N.A.P.E. Directory Issue (January issue)

Official directory of the National Association of Power Engineers; lists national officers/directors, state/special deputies, committees, state associations, chapters, and ladies auxiliary.

137. Power (TJ 1 P7)

Plant Design Issue (November issue)

Gives summaries with detailed charts on central station instrumentation, industrial feedwater treatment, oil and gas engines, industrial solar heating systems, central station condensate treatment, in-plant electric generation, industrial steam and central station flue-gas treatment.

138. Turbomachinery International (TJ 778 A1G22)

International Handbook (#3 issue)

Lists turbomachinery, components and accessories, repair and maintenance firms, product directory, specifications, and engineers, consultants and constructors.

139. Turbomachinery International (TJ 778 A1G22)

Utility Cost Study (Special issue, 1981)

Reports construction and operating expenses for 1980 of a number of electric utility companies in the United States and Canada. Broken down in four sections; gas turbine utility plants; conventional steam turbine plants; nuclear steam turbine plants; and hydroelectric plants.

MEDICINE

140. American Journal of Cardiology (RC 681 A1A565)

Convention Issue (March issue, part 2)

Gives abstracts of papers to be presented at the Scientific Session of the American College of Cardiology.

141. American Medical Association. Journal (R 15 A48)

Continuing Education Opportunities (July or August issue)

Continuing education courses for physicians, giving CME accreditation programs, course list by subjects, refresher courses, audio-tape programs, medical schools and affiliated institutions, and geographical index.

142. American Optometric Association. Journal (RE 1 A47)

Annual Contact Lens Issue (March issue)

Issue where all the articles are devoted to some aspect of contact lens. Has an abstract section containing major contact lens articles appearing in the literature of the preceding year.

143. Arthritis & Rheumatism (RC 927 A1A7)

Rheumatism Review (issue varies)

Covers selected literature and journal articles from English language journals which mark progress in the understanding of rheumatic diseases. (This originally appeared in the *Annals of Internal Medicine*.)

144. Biomedical Communications (Shelved alphabetically with current issues)

Buyer's Guide (November issue)

Lists equipment: medical illustration, motion picture, video/CCTV, still camera, lighting, darkroom, audio, media, projects, etc. and a company roster.

145. Biomedical Communications (Shelved alphabetically with current issues)

Medical Media Directory (March or April issue)

Lists programs and producers. Programs arranged by subjects giving medium, time, price, etc.

146. Journal of Nuclear Medicine (RM 845 J78)

Proceedings of Annual Meeting (June issue)

Gives abstracts of papers presented at the annual meeting of the Society of Nuclear Medicine. Also lists scientific exhibits.

147. Journal of Occupational Medicine (RC 963 A42)

Annual Meeting (April issue)

Gives abstracts of scientific papers presented at the annual meeting of the American Occupational Medical Association. Also gives a list of technical exhibitors.

METALLURGY

148. Iron and Steel Engineer (TS 300 I63)

Convention and Exposition Issue (September issue)

Gives show guide and program, description of exhibits, and abstracts of papers for the meeting of the Association of Iron and Steel Engineers.

149. Metal Progress (TS 200 M36)

Heat Treating Buyers Guide and Directory (Mid-November issue)

Contains a glossary of selected terms related to heat treating; equipment and supplies; company directory, equipment and supplies directory; commercial services (U.S. and Canada) – company directory, commercial services directory.

150. Metal Progress (TS 200 M36)

Materials and Processing Databook (Mid-June issue)

Gives up-to-date technical data on engineering materials and their processing, fabrication, and testing. Also features a Guide to advertisers' products and services.

151. Metal Progress (TS 200 M36)

Testing and Inspection Buyers Guide and Directory (Mid-February issue)

Contains a glossary of selected terms related to testing and inspection, company directory, equipment and supplies for the United States and Canada; company directory, commercial services for the United States and Canada.

152. Modern Casting (TS 200 A7527)

Buyer's Guide Issue (November issue)

Gives sources of equipment, services and supplies.

153. Modern Casting (TS 200 A7527)

Consultants Directory (July issue)

Directory of metalcasting and foundry consultants. Also has a directory of law firms specializing in OSHA and EPA litigation.

MICROBIOLOGY

154. International Journal of Systematic Bacteriology (QR 1 I62)

Approved List of Bacterial Names (In January 1980 issue)

Gives currently valid names of bacteria citing reference listed as Names of Taxa above the rank of Genus, Names of Genera species and subspecies.

MILITARY

155. Air Force Times (Shelved alphabetically with current issues)

Guide to Military Installations in the U.S. (Early April issue supplement)

A reference guide to more than 250 major bases, posts and stations. Lists Army, Navy, Marine Corps, Coast Guard and Air Force.

156. United States Naval Institution. Proceedings (V 1 U5)

Naval Review Issue (May issue)

Gives naval and maritime events for the previous year by month and date. Also lists Flag and General officers of the naval services.

MINING ENGINEERING

157. Mining Engineering (TN 1 A5258)

[Directory] (July issue)

Includes section called "Who's who in mineral engineering" – includes the Society of Mining Engineers of AIME membership directory with a United States geographic listing and a foreign geographic listing.

NURSING

158. Journal of Nursing Administration (RT 89 J65)

Annual Directory of Consultants to Nursing Administration (August issue)

Gives a list of consultants and consulting firms; also categorical index of consultants and consulting firms.

159. Nursing (RT 1 N76)

New Drugs (in May issue)

Gives the new drugs for the preceding year that have been approved by the U.S. Food and Drug Administration. Gives description along with classification, precautions, side effects, etc.

NUTRITION

160. American Dietetic Association. Journal (RM 214 A6)

Meeting (August issue)

Gives tentative program of the annual meeting along with exhibition preview (gives description and often illustration of products).

PAPER AND PULP

161. TAPPI (TS 1080 T3)

Directory (Special issue)

Gives officers, historical statement, constitution and bylaws, members, products and services, etc., of the Technical Association of the Paper and Pulp Industry.

162. TAPPI (TS 1080 T3)

Salary Survey (August 1982 issue)

Results of a survey conducted among TAPPI members designed to collect information from 15 areas, ranging from one's age to one's participation in professional development seminars.

PHARMACOLOGY

163. American Druggist (RS 1 A42)

Open Call Survey (September issue)

Gives a summary of the survey which discloses how often customers ask pharmacists to recommend OTC products. Gives a list by categories, with brand names for all drug stores, chain drug stores, and independent drug stores.

164. American Druggist (RS 1 A42)

Prescription Survey (May issue)

Gives general summary on survey along with statistics on prescriptions broken down by categories with percentage change.

165. American Druggist (RS 1 A42)

Annual Report (June or July issue)

Gives highlights of the meeting of the American Pharmaceutical Association, award winners, annual report, reports of the various committees, House of Delegates roster.

PHOTOGRAPHY

166. Functional Photography (TR 1 P762)

Source and Service Handbook (May issue)

Lists manufacturers and suppliers, repair services, associations, color labs, and new products.

167. Modern Photography (TR 1 M54)

Annual Guide to Cameras (December issue)

Lists the top cameras giving type, lens, shutter, viewing, special features, price, weight, physical dimensions, and manufacturer/importer.

PHYSICS

168. IEEE Transactions on Nuclear Science (TK 9001 I5)

Particle Acceleration Conference; Accelerator Engineering and Technology (June issue)

Proceedings of conference including Conference committees, program contents, opening plenary session, contributed papers, list of registrants, author index, and closing plenary session.

169. Sound and Vibration (TA 365 S6)

Materials Reference Issue (July issue)

Gives basic information on sound absorptive, sound barrier vibration damping, and vibration isolation materials. Also Buyer's Guide to Materials for Noise and Vibration Control.

PRECIOUS STONES

170. Lapidary Journal (TS 720 L3)

Rockhound Buyer's Guide (April issue)

Gives alphabetical list of rockhound dealers, geographical index of dealers, a product index, and a list of gem and mineral clubs and bulletins.

PRINTING

171. Graphic Arts Monthly (Z 119 G87)

Buyer's Guide (a June issue)

Lists manufacturers and exclusive distributors; product section by equipment and supplies; directory of industry associations; brand names.

PUBLIC HEALTH

172. American Journal of Public Health (RA 421 A412)

Directory (March issue)

Gives officers, standing committees, section councils and committees of the American Public Health Association, and list of accredited U.S. schools of public health and graduate public health programs.

173. American Journal of Public Health (RA 421 A412)

Preliminary Program (August issue)

Gives program schedule, advance sessions, business meetings, etc., for the American Public Health Association annual meeting.

SAFETY ENGINEERING

174. National Safety News (T 55 A1N3)

Industrial Hygiene Product Data (In October 1981 issue)

Gives industrial hygiene product manufacturers and distributors listing manufacturers' names, addresses and phone numbers; product index arranged by subjects.

175. National Safety News (T 55 A1N3)

Safety Product Data (March issue)

Product index giving plant design, maintenance and operation; industrial hygiene, first aid and medical; hazard controls; personal protection. Also lists safety standards and references for ANSI, National Safety Council, National Fire Protection Association, etc.

176. Professional Safety (T 55 A56)

Annual Report (in October issue)

Report of the American Society of Safety Engineers.

SOUND RECORDING AND REPRODUCTION

177. Audio (TK 6540 A912)

Annual Car Stereo Directory (July issue)

Gives index of manufacturers detailed tables for radio/tape players, speakers, amps/equalizers.

SPEECH, DISORDERS OF

178. Asha (RC 423 A1A2)

Convention Issue (October issue)

Gives program, directory of participants, committees, etc.

TECHNOLOGY AND TECHNICAL EDUCATION

179. Industrial Education (T 61 I52)

Buying Directory (in December issue)

Gives names and addresses of firms that supply basic items to shops and labs; also listed by subject areas.

180. Industrial Education (T 61 I52)

[Annual AIAA Conference] (in February or March issue)

Special report of the AIAA Conference (American Industrial Arts Association) giving summary of the general sessions, and a summary of the special interest sessions. Also gives a list of exhibits.

181. Industrial Education (T 61 I52)

Publishers Directory (February issue)

Lists some of the books recently published and gives a list of publishers who specialize in the industrial education area. Books are arranged by broad subjects; publishers are listed alphabetically along with addresses and phone numbers.

182. Industrial Education (T 61 I52)

Safety Directory (October issue)

Gives listing of products and companies from which they are available.

183. Industrial Research/Development (T 175 I492)

Telephone Directory of Instrumentation Equipment and Supplies (January issue)

Gives alphabetical list of manufacturers, and alphabetical list by products.

184. Man Society Technology (T 1 J62)

Buyer's Guide (April issue)

Lists AIAA (American Industrial Arts Association) industrial arts directory by name of company; buyer's guide arranged by subject area.

TEXTILES

185. Textile Industries (TS 1550 C8)

Buyer's Guide (June issue)

Gives product directory, supplier directory, overseas suppliers, textile trade associations and textile schools.

186. Textile World (TS 1300 T43)

Buyer's Guide (July issue)

Annual guide to suppliers of machinery, equipment, supplies; non-U.S. manufacturers and their U.S. representatives; U.S. representatives and their non-U.S. affiliates.

TRANSPORTATION

187. Fleet Owner (TL 1 F5)

Specs and Buyers Directory (October issue)

Gives specifications on vehicles (trucks, trailers, etc.), engines, transmissions, axles, components, etc., and a product buyers guide. Also has OSHA and FMVSS standards, BMCS regulations, noise standards, OSHA and BMCS offices, state and national trucking associations.

188. Fleet Owner (TL 1 F5)

Maintenance Shop Issue (March issue)

Gives a list of new shop tools, a shop buyer's directory, service data on trucks, engines and components, fleet owner data sheets.

189. Marine Engineering/Log (VM 1 M3)

Catalog and Buyers Guide Issue (a December issue)

Gives an alphabetical listing of manufacturers and distributors; classified listing of products and services; classified listing of trade names.

190. Metro (TF 701 M3222)

Charter Operators' Guide (March/April issue)

Comprehensive guide by state, giving size and weight, load limit, license, authority and insurance, fuel tax, vehicle base state license place, etc., for charter services.

191. Metro (TF 701 M3222)

Fact Book (September/October issue)

Gives industry statistics, industry supplier directory, programs for APTA (American Public Transit Association) and ABA (American Bus Association) meetings.

192. Modern Railroads Rail Transit (TF 1 M57)

Transit Directory (May issue)

Gives suppliers' product index, supplier locator, and an ad index; also city-by-city transit digest.

193. Railway Age (TF 1 R3)

Review of 19___, Outlook for 19___ (January issue)

Review for year includes many charts and graphs on equipment, employees, inflation prices and revenue averages, etc. (Outlook contains general articles).

WATER SUPPLY ENGINEERING

194. American Water Works Association. Journal (TD 201 A512)

Buyer's Guide (November issue, part 2)

Directory of corporate members of AWWA, giving classified index of suppliers, directory of suppliers, manufacturers agent, contractor members, consultant members including geographical distribution, and suppliers catalogs. Also includes AWWA publications catalog.

ZOOLOGY

195. Acrida (QL 508 A2A26)

Acridological Abstracts (back of each issue)

Originally published as a separate publication. Comprehensive coverage of literature, both books and periodicals, of locusts and grasshoppers.

196. American Birds (QL 671 A832)

Blue List (issue varies)

Publishes a list of species of birds which appear to be declining in number, either in species range proportions or regionally. These have not reached the endangered status.

197. American Birds (QL 671 A832)

Christmas Bird Count (July issue)

Annual Audubon Christmas bird count by region and number of species of birds.

198. American Zoologist (QL 1 A448)

Abstracts of Papers (#4 issue)

Papers presented at the annual meeting of the American Society of Zoologists.

199. Journal of Animal Science (SF 1 J6)

Abstracts (Supplement to volume)

Gives abstracts of papers given at the annual meeting of the American Society of Animal Science. Also abstracts of papers from the Midwestern, Southern, Western, and Northeast sections.

200. Journal of Protozoology (QL 366 J6)

Newly Revised Classification of the Protozoa (February 1980 issue)

A considerable revision of the Society of Protozoology 1964 classification, giving a great deal of new taxonomic information, much of it through electron microscopy. Incorporates most of the major changes that will be made for some time.

201. Journal of Protozoology (QL 366 J6)

Program and Abstracts (issue varies)

Lists program and abstracts from the annual meeting of the Society of Protozoologists (held in conjunction with the American Society of Zoologists).

202. National Wildlife (S 964 U6N35)

Environmental Quality Index (February/March issue)

Gives brief summary of the preceding year, then gives a breakdown by wildlife, minerals, air, water, forests, soil, living space, with a summary and graph showing whether each area is better or worse.

203. Western Birds (QL 671 C2512)

Report of the California Bird Records Committee (in #4 issue)

Gives Accepted and Unaccepted Records along with the number and initials of person submitting documentation.

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ASHRAE
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